

Welcome

- Please keep your phone muted during the meeting.
- Type your question/comment in the chat box and it will be read and addressed at the end of each presentation
- During the Call to public people will have the option to speak to the Council.
- With any technical difficulties please contact ADWR Help Desk at 602-771-8444 or tickets@azwater.gov



Meeting Agenda

1. Call to Order - *Chair*
2. Webinar Logistics – *Kennedy Shepard, ADWR*
3. Santa Cruz AMA Groundwater Monitoring – *Nicolas Valverde, ADWR*
4. Groundwater Withdrawal Fee Recommendation
 - a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – *Kyle Miller, ADWR*
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Santa Cruz AMA

GUAC August 31, 2021



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Webinar Logistics

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- This meeting is being recorded and will be posted, along with the presentations, to ADWR's website.
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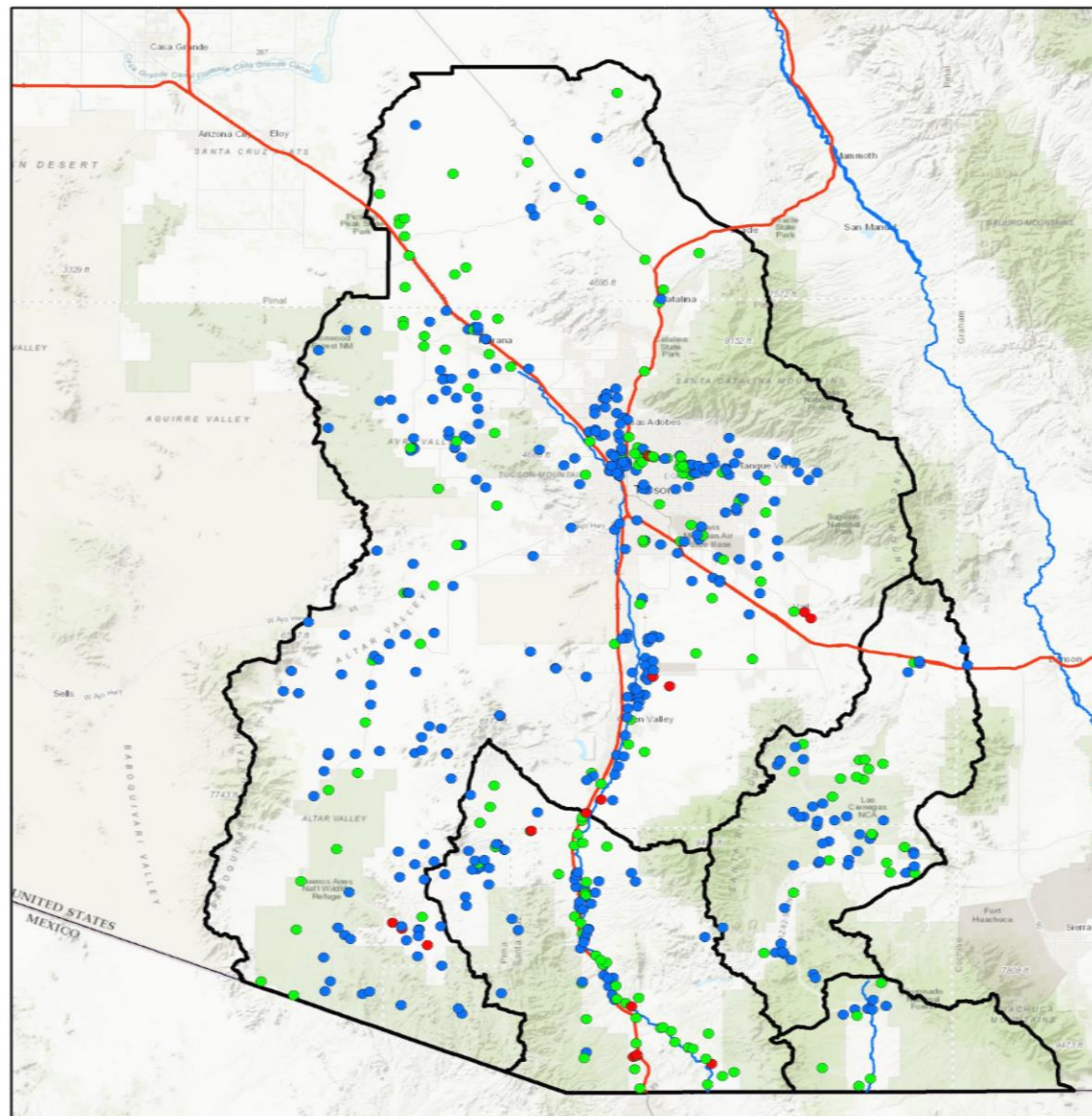
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Santa Cruz AMA

GROUNDWATER DATA & STREAM FLOW





**Figure 3A - Tucson & Santa Cruz AMAs
Cienega Creek & San Rafael Basins
2020 Basin Sweeps Water Levels**

Legend

- Index Wells
- Automated Index Wells
- Non-Index Well
- Major Highways
- Streams
- ADWR Basin or AMA

0 2.5 5 10 15 20 Miles
1:800,000



Hydrology Division
Created on August 1st, 2020
North American Datum 1983

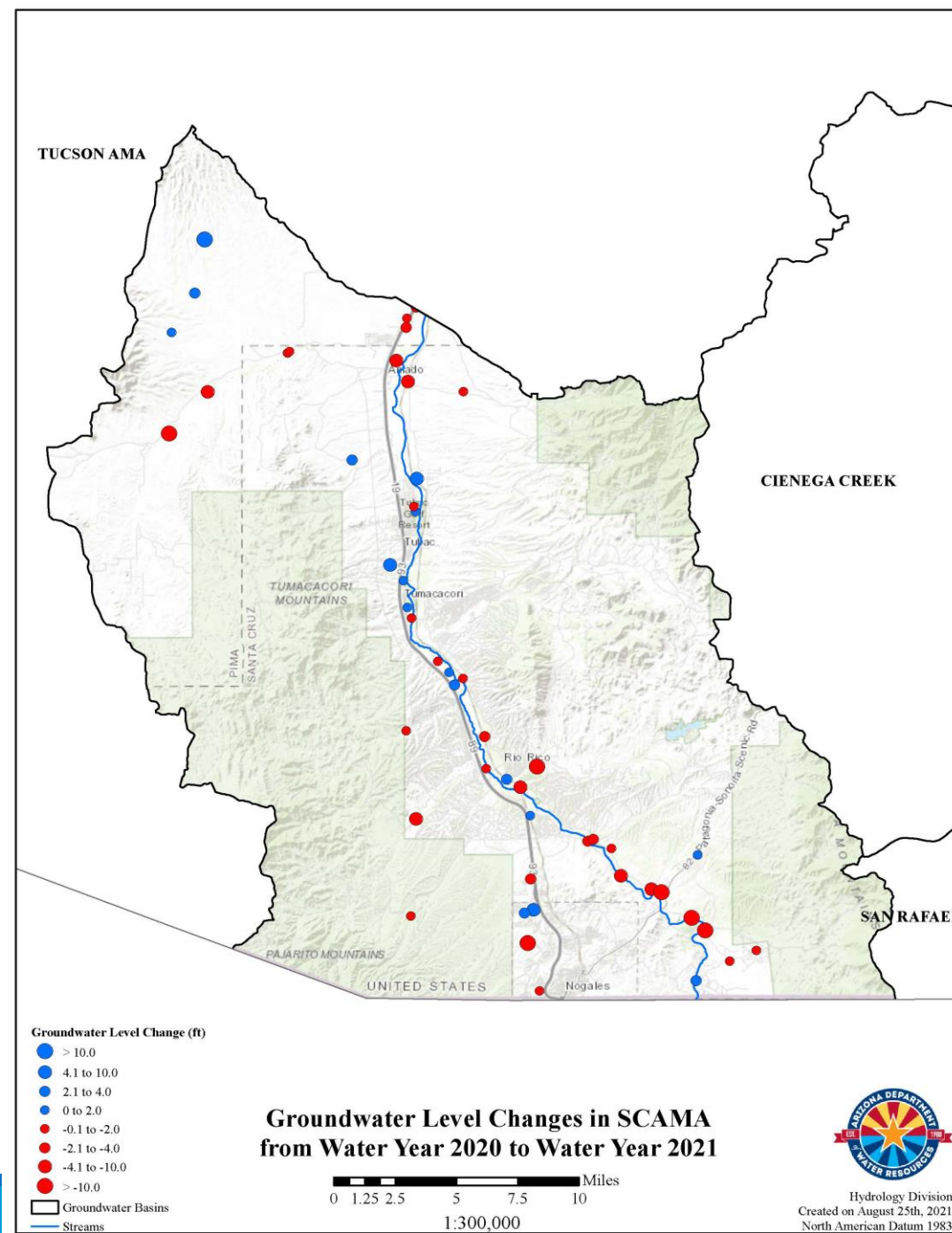
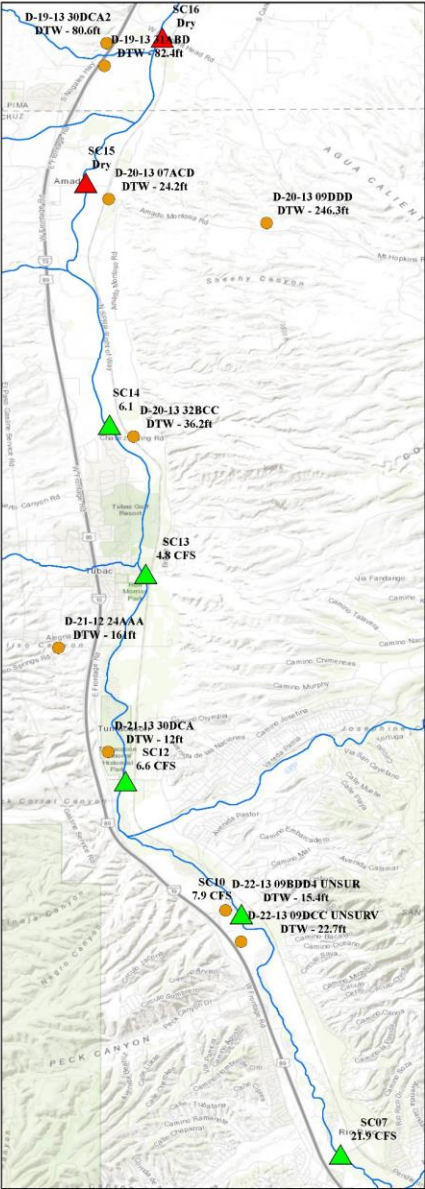


Figure 10 - ADWR Santa Cruz River Streamflow Monitoring Locations



Detailed Area Map - Streamflow Monitoring Locations with Discharge



Hydrology Division
Created on August 1st, 2020
North American Datum 1983



0 1.5 3 6 9 12 Miles

Santa Cruz Stream Data

- Index Wells
- Flowing
- Dry
- Streams

* All measurements in CFS

Santa Cruz ID	Stream Name	Latitude (NAD27)	Longitude (NAD27)	Discharge (cfs)	Measurement Date
SC07	Rio Rico	31° 28' 13.8	110° 59' 33.0	21.9	5/21/2020
SC10	Palo Parado	31° 31' 51.4	111° 01' 10.0	7.9	5/21/2020
SC12	Santa Gertrudis	31° 33' 42.7	111° 02' 42.9	6.6	5/21/2020
SC13	Tubac	31° 36' 45.4	111° 02' 25.3	4.8	5/21/2020
SC14	Chavez Siding	31° 38' 56.8	111° 02' 57.2	6.1	5/21/2020
SC15	Armedo	31° 42' 30.6	111° 03' 18.2	Dry	5/21/2020
SC16	Elephant Head	31° 44' 38.7	111° 02' 10.5	Dry	5/21/2020



Question?

Nick Valverde

navalverde@azwater.gov

Cell 602-733-1816



PROTECTING ARIZONA'S
WATER SUPPLIES
for ITS NEXT CENTURY

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2020 Annual Reporting

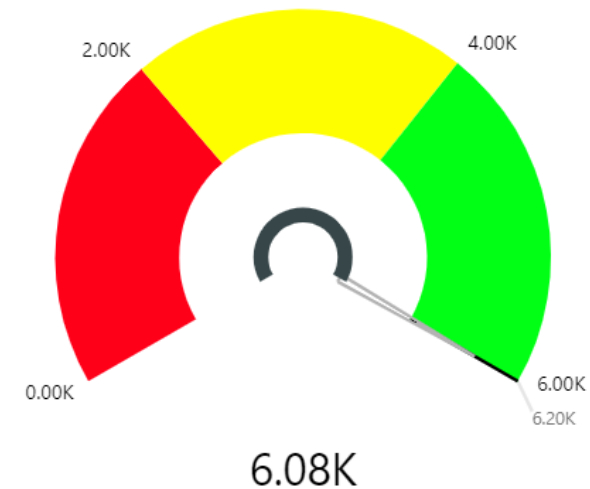
Total Reports Received by Filing Method

SECTOR	FILED ONLINE	HARD COPY	Total
AGRICULTURE	1729	1439	3168
BMPS		206	206
INDUSTRIAL	1160	520	1680
IRRIGATION DISTRICT	2	39	41
MUNICIPAL	18	254	272
RECHARGE	18	696	714
Total	2927	3154	6081

Includes Filed on Behalf Of:

- AMA
- ☐ DOUGLAS INA
 - ☐ HARQUAHALA VALLEY INA
 - ☐ JOSEPH CITY INA
 - ☐ NOT WITHIN ANY AMA OR INA
 - ☐ PHOENIX AMA
 - ☐ PINAL AMA
 - ☐ PRESCOTT AMA
 - ☐ SANTA CRUZ AMA
 - ☐ TUCSON AMA

Reports Received



New Resources



[Agricultural Program Webpage](#)



[Industrial Program Webpage](#)



[Municipal Program Webpage](#)

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Arizona Department of Water Resources

Governor's Water Augmentation, Innovation, and Conservation Council (Council) Updates



Jenna Norris
Council Coordinator
Arizona Department of Water Resources



Link to Governor's Water Council Webpage: <https://new.azwater.gov/gwaicc>

Council Updates

The Council last met on July 15, 2021
([Meeting Recording](#))

Committee Updates:

- **Long-Term Water Augmentation Committee**

- * Finance Subcommittee findings/report; Daniel Dialessi of the Water Infrastructure Finance Authority on the Water Supply Development Fund; Potential Water Storage Sites on Arizona State Trust Land & accompanying guide.

- **Desalination Committee**

- * Findings of legal/regulatory subcommittee. Tasked to resolve any remaining legal questions at upcoming Committee meeting

- **Post-2025 AMAs**

- * Timeline and Strategy to address 3 selected Issue Briefs and Solutions Phase

Other Agenda Items Included:

- Presentation from Speaker Rusty Bowers on the Drought Mitigation Revolving Fund by Speaker Rusty Bowers
- Discussion of Additional Management Periods
 - * Previously Introduced Legislation (SB1512)
 - Representative Gail Griffin
 - * ADWR Proposal (2018) – Chair, Director Tom Buschatzke

Council Updates

Next Council Meeting is scheduled for September 16, 2021, from 10am – 12pm

* See link to Council Meeting Webpage for WebEx Login:

* <https://new.azwater.gov/gwaicc/meeting/governor%E2%80%99s-water-augmentation-innovation-and-conservation-council>

Committee Updates

Non-AMA Groundwater Committee – Representative Gail Griffin and Jamie Kelley

- Last met on December 10, 2020 ([Meeting Recording](#))
 - Presentation by the Department’s Chief Counsel, Ken Slowinski, on Irrigation Non-Expansion Areas (INAs)
 - Presentation by Representative Cobb on introduced legislation for establishing Rural Groundwater Management Areas
- Next Meeting is TBD

Desalination Committee – Henry Day (replaced Philip Richards)

- Last met on August 26, 2021 ([Meeting Recording](#))
 - Presentation from the Department’s Legal Counsel, Jennifer Heim, on Brackish Groundwater and Arizona Law
- Next meeting is TBD

Committee Updates

- **Long-Term Water Augmentation Committee – Wade Noble**
 - Last met on August 3, 2021 ([Meeting Recording](#))
 - Presentation by ADWR Senior Research Hydrologist, Keith Nelson, on Enhanced Aquifer Recharge.
 - Plan to continue the conversation around potential for recharging stormwater/flood runoff in subsequent meetings
 - Next meeting is TBD
- ***Storage Sites Subcommittee*** met on February 26, 2021 ([Meeting Recording](#))
 - Committee provided input on the Potential Water Storage Sites on State Trust Land, required by HB 2249, and the report has been delivered to the required recipients.
 - The committee has provided comments on the Draft Guide to Underground Water Storage Site Selection and staff is now working on finalizing this document. ([Draft Guide to Underground Water Storage Site Selection Link](#))

Committee Updates

- **Post-2025 AMAs Committee – Warren Tenney & Cheryl Lombard (replaced Timothy Thomure)**
 - The Committee has met twice since the July 15th
 - Committee co-chairs selected 3 Issue Briefs to focus efforts on: Groundwater in the Assured Water Supply Program (June 22); Unreplenished Groundwater Demand (Aug 10); Hydrologic Disconnect (Sep 9)
 - June 22nd Committee meeting – Groundwater in the Assured Water Supply Program ([Meeting Recording](#))
 - Aug 10th Committee meeting – Unreplenished Groundwater Demand ([Meeting Recording](#))
 - Oct-December; fine-tune most realistic strategies and solutions
 - **Next meeting is September 9th from 1-3pp**
 - At next Council meeting (Sep 17) Co-Chairs plan to brief the Council on the presentations they heard on the above 3 issues and summarize the ensuing discussions/potential strategies raised

Thank you!

Jenna Norris

Council Coordinator

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John Riggins

Statewide Planning Manager

jrriggins@azwater.gov

Office Phone: 602-771-4782

ADWR Website: <https://new.azwater.gov/>

ADWR Phone: 602-771-8500

Link to ADWR Contacts: <https://new.azwater.gov/adwr/contact-us>

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Management Plans Update

Santa Cruz AMA GUAC Meeting

August 31, 2021



Makenna Welsch
Management Plans Specialist

Status and Timeline of 5th Management Plans



Management Plans

A.R.S. § 45-563 (A)

“The director shall develop a management plan for each initial active management area for each of five management periods... and shall adopt the plans only after public hearings... The plans shall include a continuing mandatory conservation program... designed to achieve reductions in withdrawals of groundwater.”



Estimated 5MP Timeline

new.azwater.gov/5MP

2020: Development

- Work Group, Subgroups, & Stakeholder Outreach
- Data Analysis
- Develop [Concepts](#) to Increase Conservation
 - Update Existing Programs
 - Design New Programs

2021: Drafting

- Build out [Concepts](#) developed in previous phase
 - Regulatory Language
 - Feedback from GUACs/AMAs re: Customization & Implementation
- Draft Narrative & Background
- Develop Data Tools

2022: Adoption

- Publication of initial drafts
- Presentation to GUACs for recommendations
- Promulgation processes
 - Hearing & Public Comment
 - Findings & Adoption
 - Noticing of Conservation Requirements



Drafting Logistics

- * All 5 Fifth Management Plans are being drafted simultaneously
 - * Structure will largely match across AMAs
 - * Time for AMA Customization
- * MPWG Subgroups will reconvene as needed to review draft regulatory language

➤ **Goal: Publication of Initial Drafts in early 2022**



5MP Conservation Program Proposals

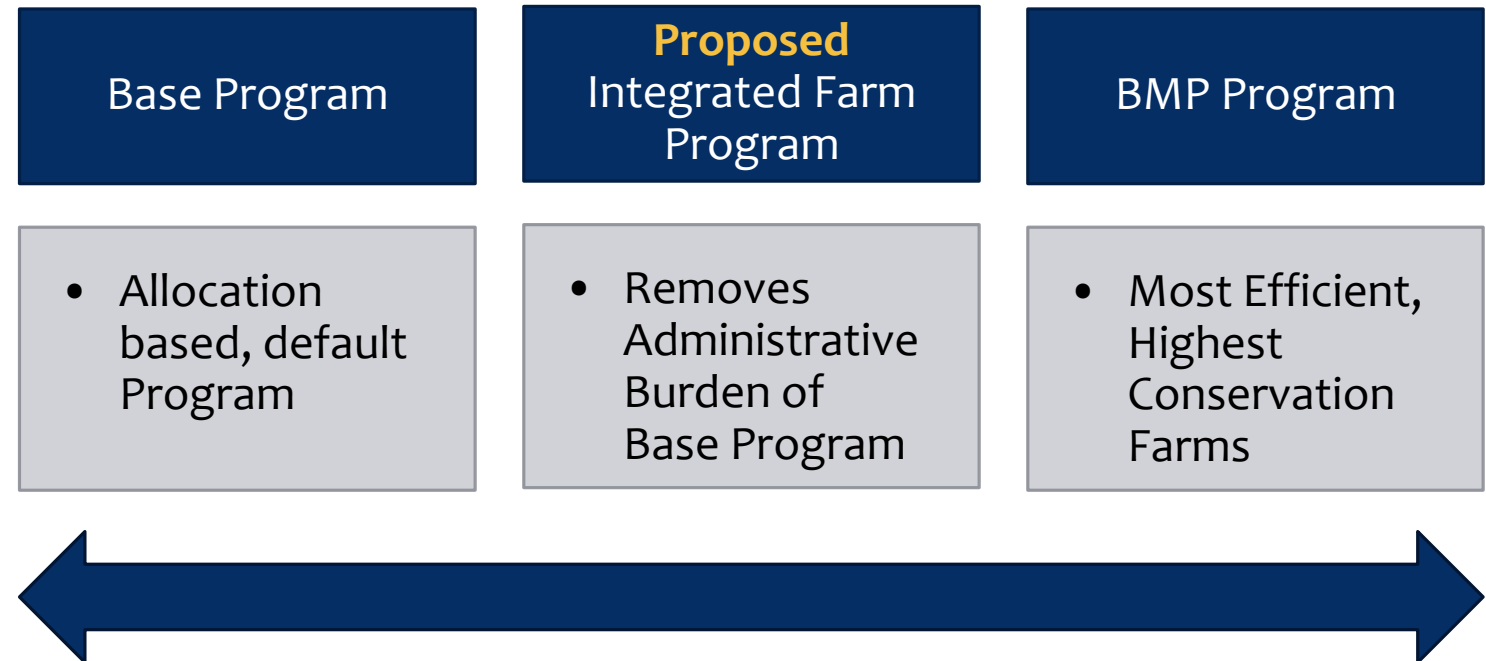
Agricultural Best Management Practices Program

- * Agricultural Best Management Practices Advisory Committee Recommendations:
 - * Updates to the List of Approved BMPs
 - * Update to Points Targets

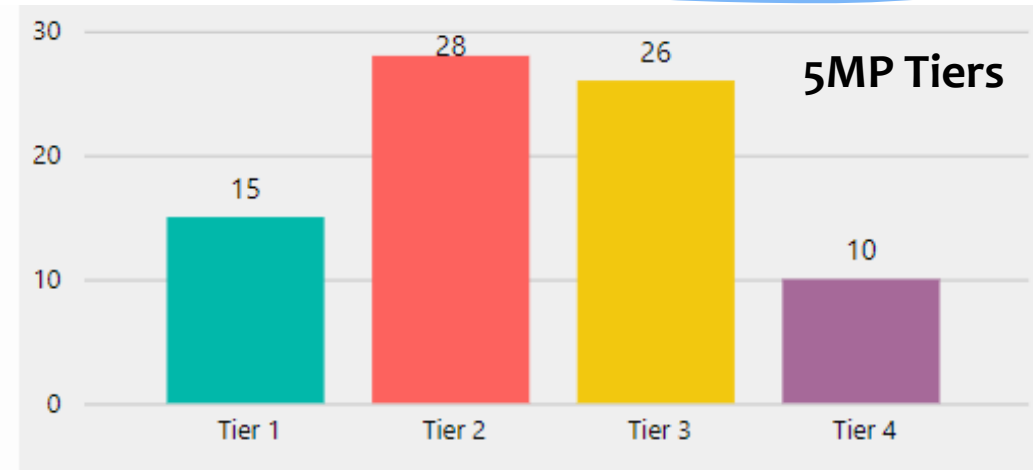
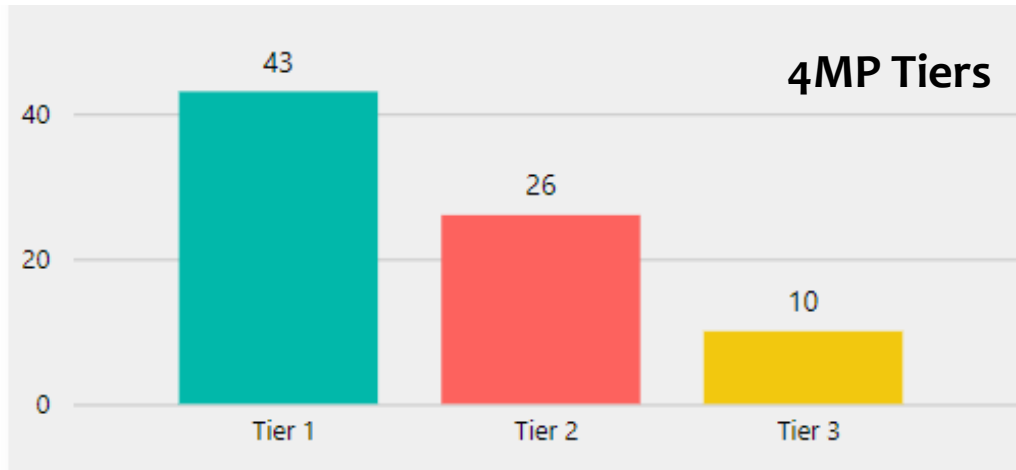
BMP Category	New BMPs	Updated BMPs	Minimum Points Required	Maximum Points Allowed
Section I: 1. Water Conveyance System Improvements	1	1	+ 3	4
Section I: 2. Farm Irrigation Systems	3	4	2	4
Section I: 3. Irrigation Water Management Practices	2	6	+ 2	4
Section I: 4. Agronomic Management Practices	2	2	+ 2	4
Section II: Procedure for New BMP	1	N/A	N/A	
Total	9	13	12	

Agricultural Integrated Farm Program

- * Allotment based program
- * Allows multiple IGFRs under the same owner/operator to combine reporting/allotments
- * Will include a "cut to the aquifer" percentage reduction of the total combined allotment.
- * Draft legal language available:
 - * [Draft 5MP Agricultural Regulatory Language](#)

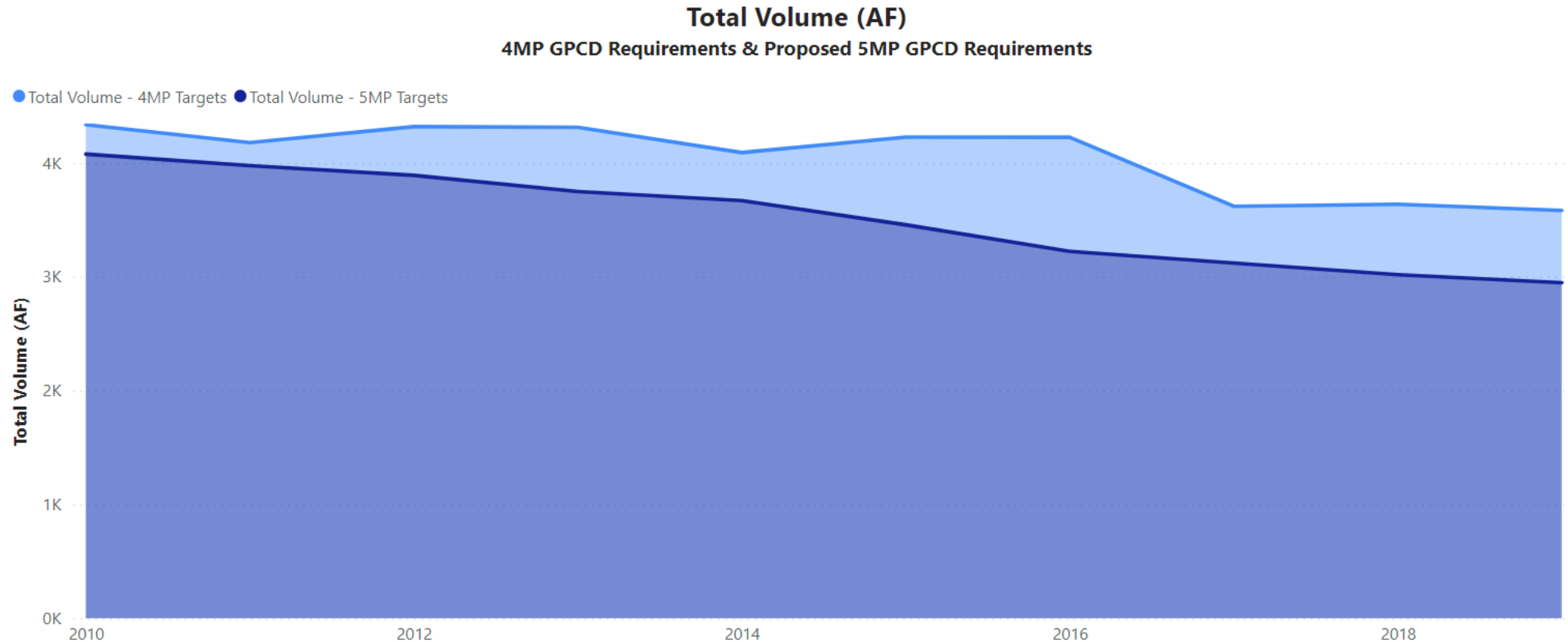


Municipal Non-Per Capita Program



Fourth Management Plans			Fifth Management Plans Proposal			
Service Connections	Tier	Required Number of BMP Points	Service Connections	Tier	Required Number of BMP Points	Number of categories that BMP points must be earned from
0 – 5,000	1	3	0 – 1,000	1	3	2 or more categories
-	-	-	1,001 – 5,000	2	5	3 or more categories
5,001 – 30,000	2	8	5,001 – 30,000	3	10	4 or more categories
30,001 +	3	15	30,001 +	4	20	5 or more categories

Municipal GPCD Program



GPCD Requirement will be the default unless:
 Default < Minimum → Minimum
 Default > Maximum → Maximum

Minimum	Default	Maximum
<ul style="list-style-type: none"> The provider's previous year GPCD requirement minus 1% 	<ul style="list-style-type: none"> 3-year rolling average of GPCD minus 1% 	<ul style="list-style-type: none"> 5-year rolling average of GPCD

Draft legal language available:

* [Draft 5MP Municipal Regulatory Language](#)

Industrial – Golf Course Conservation Program

Goals

- * Reduce Withdrawals of Groundwater
- * Equitable
- * Incorporate Realistic Practices
- * Transparency/Simplicity

Final Golf Conservation Structure

- * 3 Components:
 - * Allotment Method
 - * Allotment Additions
 - * Effluent Adjustment

Industrial – Non-Golf Turf Conservation Program

Category	Application Rate (AF/Acre)				
	Prescott	Phoenix	Pinal	Tucson	Santa Cruz
Turf	4.17	4.77	4.77	4.6	4.6
Low Water Use Landscaped Area	0.74	0.74	0.74	0.74	0.74
Total Water Surface Area	5.5	6.2	6.2	5.8	5.8

Recharge & Recovery

- * Department held a public meeting detailing and discussing issues and proposals on July 14, 2021.
 - * Potential proposals would simplify the programs and reduce regulatory burden while meeting the goals of the program and maintaining sound water management practices
- * ADWR staff is currently considering the feedback received from stakeholders.

5MP Concepts Webpage

<https://new.azwater.gov/5MP/plans-concepts>

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5TH MANAGEMENT PLANS CONCEPTS

As ADWR and the 5th Management Plans Work Group proceeds in the development of the 5th Management Plans, concepts and stakeholder comments related to 5MP conservation programs will be made available below. Meeting links are provided, to provide additional context for the concept. Any questions or comments on these concepts can be sent to managementplans@azwater.gov.

AGRICULTURAL SUBGROUP



INDUSTRIAL SUBGROUP



TURF BREAKOUT GROUP



MUNICIPAL SUBGROUP



[Overview](#)

[Management Plans](#)

[5MPs Concepts](#)

[Meetings](#)

[AMA Data](#)

[Governor's Water
Augmentation, Innovation
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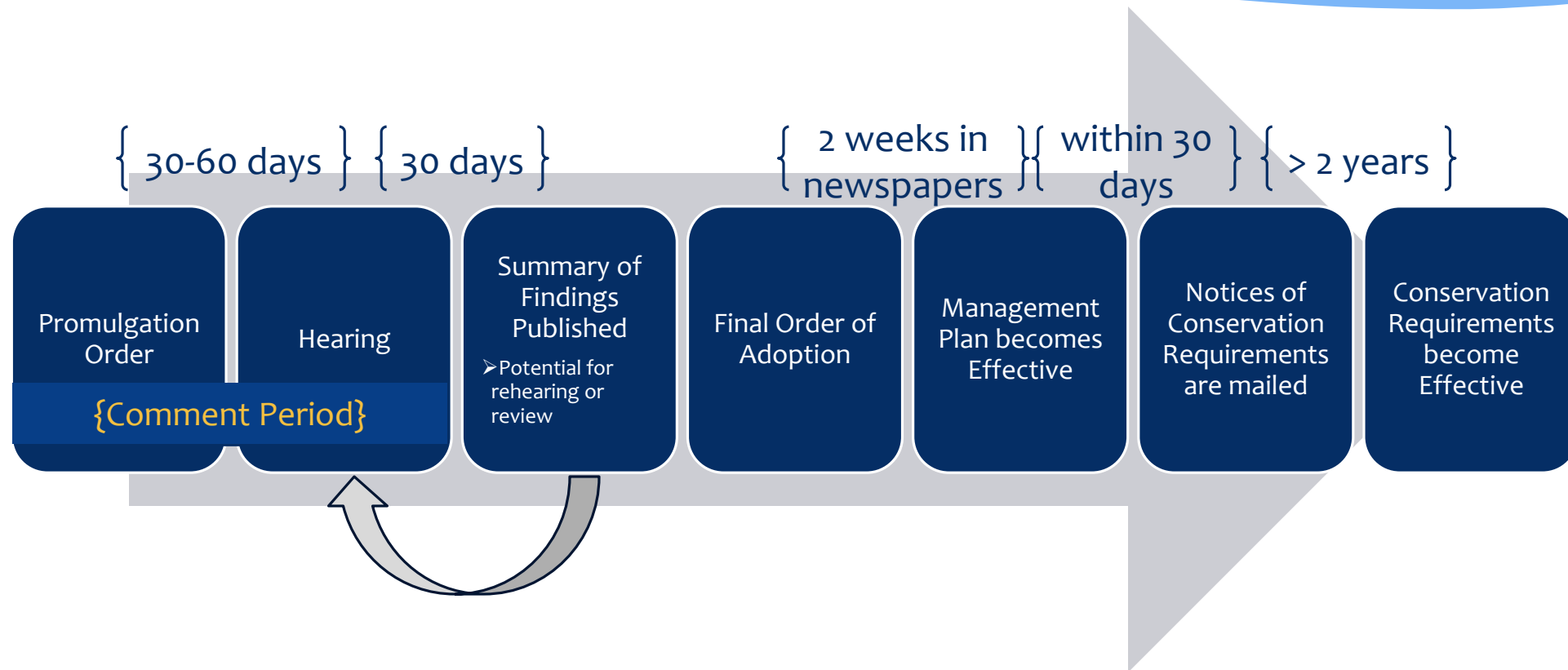
[Contact Us](#)



managementplans@azwater.gov



Management Plan Promulgation



Questions?

Makenna Welsch
mwelsch@azwater.gov

Management Plans Work Group:

new.azwater.gov/5MP

Concepts page:

<https://new.azwater.gov/5MP/plans-concepts>

Full Text of Management Plans:

new.azwater.gov/ama/management-plans

For questions about meetings or to submit comments:

managementplans@azwater.gov



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